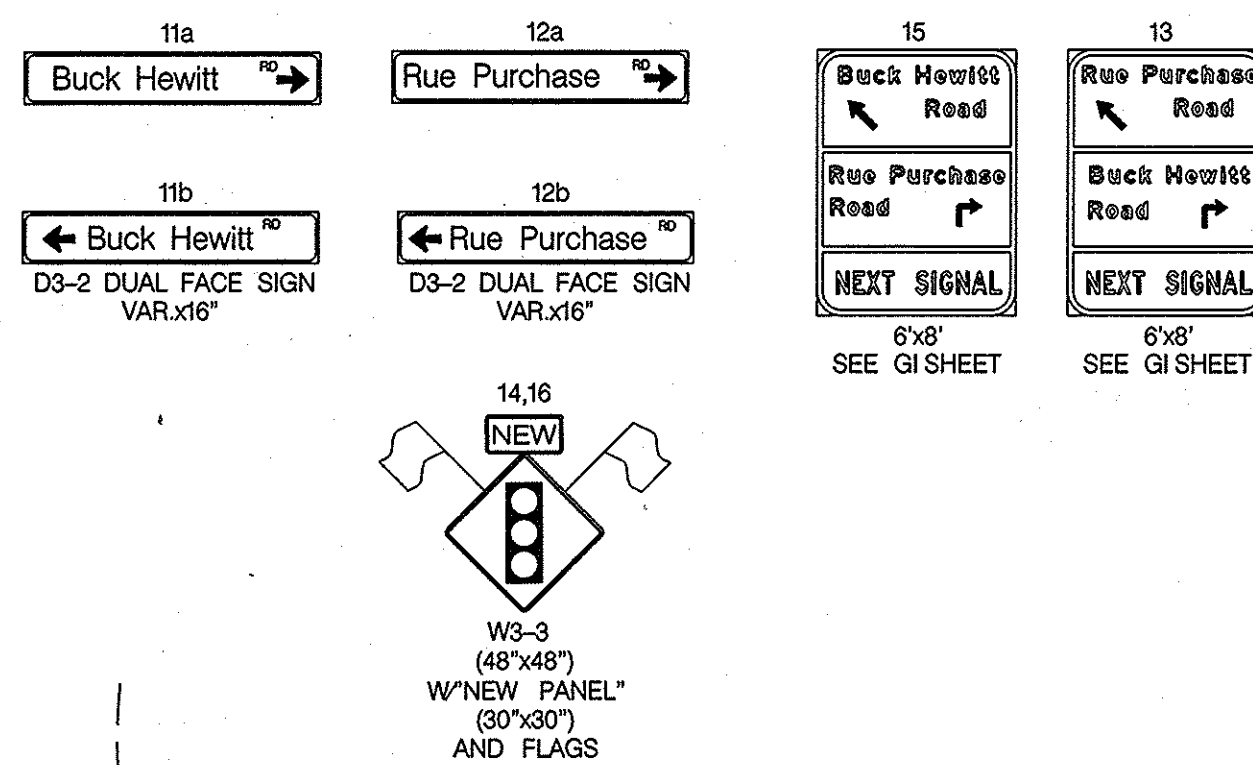
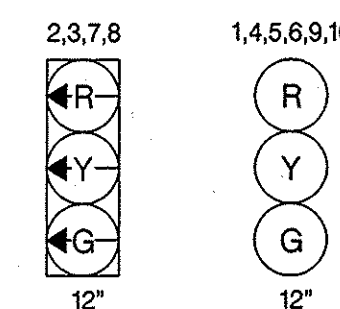




PROPOSED SIGNS



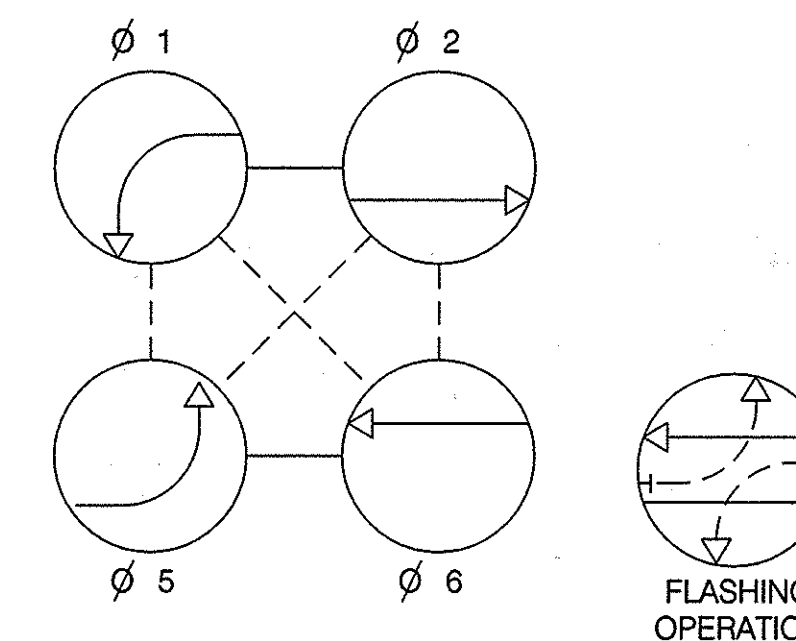
PROPOSED SIGNALS



PROPOSED VIDEO DETECTION CAMERA



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

- ### CONSTRUCTION DETAILS
- INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - INSTALL 15 FT. BREAKAWAY PEDESTAL POLE, AND SIGNAL HEAD (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - INSTALL ELECTRICAL HANDHOLE
 - INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
 - INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
 - REMOVE EXISTING GUIDE SIGN AND INSTALL NEW GUIDE SIGN IN SAME LOCATION ON TWO (2) W6X9 STEEL SUPPORTS
 - INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - SLOTTED (REMOVE AND REINSTALL BRICK)
 - INSTALL MICRO-LOOP PROBE
 - VIDEO DETECTION ZONE
 - PROPOSED UNDERGROUND ELECTRIC SERVICE
 - INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
 - REMOVE EXISTING PAVEMENT MARKINGS "SHARK TEETH"
 - INSTALL METER SERVICE PEDESTAL
 - INSTALL W3-3 SIGN APPROXIMATELY 400' IN ADVANCE OF THE STOPBAR ON TWO-4 IN. X 6 IN. WOOD SUPPORTS
 - INSTALL DETECTABLE WARNING SURFACE (SEE STANDARD NO. MD 655.40)
 - INSTALL INTERCONNECT CABLE

GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 816.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- CUT EXISTING INTERCONNECT CABLE AND PULL BACK TO THIS POINT. RE-ROUTE CABLE TO MAST ARM POLE, DOWN THE POLE AND THROUGH THE NEW CONDUIT TO THE NEW CONTROLLER.
- INSTALL NEW 12-PAIR VOICE GRADE INTERCONNECT CABLE FROM THE PROPOSED CONTROLLER TO THE EXISTING CONTROLLER AT MD 235 AND MACARTHUR BLVD. (APPROXIMATELY 2050 LF CABLE)
- ISLANDS AND MEDIANS ARE PAVED WITH BRICKS WHICH WILL REQUIRE REMOVAL AND REINSTALLATION TO INSTALL SIGNAL EQUIPMENT

UTILITY HEIGHTS

1	CATV = 20' - 1"
	INTERCONNECT = 23' - 0"
	SECONDARY = 31' - 0"
	PRIMARY = 35' - 0"

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC@TRAFFIC-CONCEPTS.COM

APPROVALS	REVISIONS
TEAM LEADER 12/14/07	
ASSISTANT CHIEF 12/14/07	
DIVISION CHIEF 12/14/07	
OFFICE DIRECTOR 12/14/07	

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
TRAFFIC SIGNAL PLAN MD 235 AND RUE PURCHASE / BUCK HEWITT ROADS	
SCALE 1" = 20'	DATE 12-5-07 CONTRACT NO. BW996M82
DESIGNED BY T. ZAYDEL	COUNTY ST. MARY'S
DRAWN BY T. ZAYDEL	LOGMILE 1823514.003
CHECKED BY K. SCHMID	T.I.M.S. NO. L-495
F.A.P. NO. N/A	TOD NO.
DRAWING NO. TS-4623	SHEET NO. 1 OF 2